

ABSTRACT

A biliary stent has a number of smooth-surfaced wings extending radially outwardly from a central region and extending longitudinally along substantially the entire length of the stent. A securement barb is located at one end of the stent and extends generally radially outwardly toward a side of the stent in cantilevered fashion at an angle less than or equal to 90°. The securement barb is angled such that it presents an outward-facing half-arrowhead profile. At least one end of the stent is smoothly or conically tapered. In one embodiment, the wings extend linearly along the stent; in another embodiment, the wings extend helically along the stent. Either embodiment may have a pigtail configuration at one or both ends.